

What Is Claimed Is:

1. A data read method, comprising the step of:  
when reading out data written to sectors on a disk medium,  
data in a read-out target sector and a following sector next  
to said data is read out using an output amplitude control  
information and a read clock control information of a sector  
read out previously time-wise to said read-out target sector.

2. The data read method according to claim 1, comprising  
the steps of:  
opening a read gate; and  
halting read-out control for a portion of said following  
sector;  
wherein said output amplitude control information and said  
read clock control information for said previously read sector  
is held.

3. A method for an information write/read device having a  
function for writing or reading a plurality of sectors in a  
continuous fashion, comprising the steps of:  
when reading continuously written data, a timer is started  
upon termination of control of said read operation for a  
sector unit; and  
provided that a time period until said start of control of the  
read operation for a following sector unit is within a  
predetermined period of said timer, an output amplitude  
control information and a read clock control information of a  
preceding sector is held.

4. A method for an information write/read device having a function for writing or reading a plurality of sectors in a continuous fashion, comprising the step of:

when continuously written sector groups are read continuously, instead of using an output amplitude control information and a read clock control information pertaining to a head sector of respective sector group, data reading is performed using a control information immediately preceding said head sector and a control information of a following sector read continuously to said head sector.

5. A signal processing circuit, comprising:  
a read control signal which does not close between sectors during a period of continuous reading of a plurality of sectors;  
a signal which halts reading control corresponding to a head part of a following sector; and  
a function for holding an output amplitude control information and a read clock control information in response to said signal which halts reading control.

6. A signal processing circuit, comprising:  
a function for starting a timer upon termination of control of a read operation of a sector unit; and  
a function for holding an output amplitude control information and an read clock control information of a preceding sector, provided that a time period until a start of control of said

read operation for a following sector unit is within a predetermined period of said timer.

7. A signal processing circuit in an information write/read device having a function for writing or reading a plurality of sectors in a continuous fashion, the signal processing circuit comprising:

first function for reading continuously written sector groups continuously; and

second function for reading data continuously when first function is activated, instead of using an output amplitude control information and a read clock control information pertaining to a head sector of respective sector group, using a control information immediately preceding said head sector and a control information of a following sector.

8. A signal processing circuit in an information write/read device having a function for writing or reading a plurality of sectors in a continuous fashion, the signal processing circuit comprising:

first function for reading continuously written sector groups continuously;

second function for reading data when first function is activated, instead of using an output amplitude control information and a read clock control information pertaining to a head sector of respective sector group;

third function for enabling arbitrarily an offset information between said control information immediately

preceding said head sector and a control information of a following sector read continuously; and

fourth function for sending said offset information to a read channel.

9. An information write/read device using any one of the methods according to claim 1 to 3, comprising:

a function for reading data spanning a plurality of sectors; and

a function for reading data by temporarily halting reading control of a following sector.

10. An information write/read device using any one of the methods according to claim 1 to 3, comprising:

a function for writing data continuously spanning a plurality of sectors.

11. An information write/read device using any one of the methods according to claim 1 to 3, comprising:

first function for writing data continuously to a plurality of sectors; and

second function for deleting at least a portion where a particular cyclical pattern has been written in a second or more sectors.

12. An information write/read device using any one of the methods according to claim 1 to 3, comprising:

first function for writing or reading data spanning a plurality of sectors; and

second function for waiting for a head sector of whole  
said data or a head sector of a sector group consisting of  
several sectors, if a head has arrived at a sector other than  
said head sector, to arrive for writing or reading.